

## ABSTRACT OF THE DISCLOSURE

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An electrical and mechanical connection between (a) a first shielded  
10 cable including a metal sheath and electrical conductors and (b) a second  
cable including a ground conductor and electrical conductors, comprises a  
zone of interconnection between the first and second cables. In this  
interconnection zone, a first connection is made between the free end of the  
metal sheath and the free end of the ground conductor, and second  
15 connections are made between the free ends of the electrical conductors of  
the first cable and the free ends of the electrical conductors of the second  
cable, respectively. Still in the interconnection zone, the interconnected metal  
sheath and ground conductor have a first length shorter than second lengths  
of the interconnected electrical conductors of the first cable and electrical  
20 conductors of the second cable whereby, in operation, longitudinal tension in  
the interconnection zone is totally supported by the interconnected metal  
sheath and ground conductor.